## BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

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INTELLECTUAL PROPERTY LAW 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

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OCT 08 2004

Deliver to: Quang D. Vu, USPTO  Facsimile No.: 703-208-2722-9300e  From: Chui-Kiu Teresa Wong, Reg. No.  Our Docket No.: 4363P004  Application No.: 09/843,486	Art Group:2811
Enclosed are the following documents:	The second of th
☐ Amendment:	□ Issue Fee Transmittal □ Notice of Appeal ☑ Petition for: and Amendment for Correction of □ Request for Continued Examination (RCE) □ Reply Brief (pgs) □ Request & Certification Under 35 USC 122(b)(2)(B)(i) □ Request to Rescind Previous Nonpublication Request □ Response to Notice of Missing Parts & Formalities Letter □ Response to Written Opinion (pgs) □ Terminal Disclaimer □ Transmittal of Publication Fee Que □ Transmittal Letter C.E.R. 1.48(a), 2 pages, Asset of Assignee Linder 37 CFR 3.73(B), ious Notice of Recordation (3) pages.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)

I hereby certify that this correspondence is being transmitted by facsimile on the date shown below to the United States Patent and Trademark Office. janea channon

Confidentiality Note: The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

if you do not receive all the pages, or if there is any difficulty in receiving, please call: (408) 720-8300 and ask for .

CEET TO ANGMITTAL			Complete if Known					
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Effective 01/01/2004. Petent foos ere subject to ennual rovision. First			ed Inv	entor	Mar 1	Hershenson	L	
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Name (Prin/Type) Chui-Kiu Teresa Wong		(Attorney/Ag		_1_'	48,042	releptione		
Signature C.72			•			Date	10/8/0	4

Based on PTO/SB/17 (10-03) as modified by Blakely. Solokoff, Teylor & Zafman (44) 02/10/2004. SEND TO: Commissioner for Patents. P.O. Box 1450, Alexandria. VA 22313-1430

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FEE TRANSMITTAL	ŀ	Application	Num	ber	09/843,486			
for FY 2004	,	Filing Date April 2			April 25, 2001			
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The same Ware		Registrati (Attorney/Ag		"	48,042 Telephone (408) 720-8300			
Name (Print/Type) Chui-Klu Teresa wong		J 11.4511.03/17 60			1010104			
Signature					Date COL 8 /OT			
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Based on PTO/SB/17 (10-G3) as modified by Blakely, Sciokell, Teylor & Zefman (vir.) 02/1 SEND TO: Commissioner for Patents. P.O. Box 1450, Alexandria, VA 22313-1450		-						
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10/08/2005 11:20 FAX 408 720 9397

OCT 0 8 2004

Docket No.: 004363.P004

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mar Hershenson

Application No.: 09/843,486

Filing Date: April 25, 2001

For: Optimal Simultaneous Design and Floorplanning of Integrated Circuit

Commissioner for Patents
P.O. Box 1450

Alexandria, VA 22313-1450

# AMENDMENT AND PETITION UNDER 37 C.F.R. / 1.48(a) TO CORRECT INVENTORSHIP

Dear Sir:

The undersigned hereby respectfully requests and petitions that the above-referenced application be amended under 37 C.F.R./1.48(a) to correct inventorship of the application.

The application was filed on April 25, 2001 naming the following persons as inventors of the present patent application:

Mar Hershenson and Arash Hassibi and Andre Hentz.

Please correct and amend the present patent application so Stephen Boyd, a citizen of the United States of America and having a residence address of 663 San Juan Street, Stanford, California 94305 is additionally named as a joint inventor, so that Mar Hershenson and Arash Hassibi and Andre Hentz and Stephen Boyd are then named as joint inventors of the present patent application.

It is respectfully submitted that the error in inventorship of the present application was made without any deceptive intent by anyone, including the actual inventors.

Enclosed with this Amendment and Petition is as follows:

- (1) verified Statement of Facts by Stephen Boyd stating that the error in inventorship of the present patent application was made without any deceptive intent by anyone.
  - (2) an executed Declaration/Power of Attorney indicating all inventors;
  - (3) an Assent of Assignee for Correction of Inventorship with a copy of the previously recorded Assignment document; and
  - (4) an Assignment by the additional inventor, Stephen Boyd, to be recorded in accordance with 47 C.F.R./1.331. Please charge to our Deposit Account Number 02-2666.in the amount of \$40.00 to cover the recordation fee required by 37 C.F.R./1.21(h).

Also please charge to our Deposit Account Number 02-2666 the amount of \$130.00 in payment of the fee under C.F.R. 1.17(i) for correction of inventorship.

Respectfully submitted,
Blakely, Sokoloff, Taylor & Zafman LLP

Chui-Kiu Teresa Wong

Reg. No.: 48,042

12400 Wilshire Boulevard Seventh Floor Los Angeles, CA 90025 (408)720-8300

#### CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimil	X. 2004
Date of Transmission OCHO BUO ONLCL Shannow	janece schannon
(Type) or printed name of person transmitting paper)	Signature of person transmitting paper)

## RECEIVED CENTRAL FAX CENTER

OCT 08 2004

Docket No.: 004363.P004

**Patent** 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mar Hershenson

Application No.: 09/843,486

Filing Date: April 25, 2001

For: Optimal Simultaneous Design and Floorplanning of Integrated Circuit

Commissioner for Patents
P.O. Box 1450

Examiner: Quang D. Vu

Art Unit: 2811

Art Unit: 2811

Commissioner for Patents

P.O. Box 1450

STATEMENT OF FACTS BY
Stephen Boyd
UNDER 37. C.F.R. /1.48(a)

Dear Sir:

I hereby declare:

Alexandria, VA 22313-1450

- 1. I am making this Statement of Facts under 37 C.F.R. / 1.48(a) in connection with U.S. Patent Application Serial No.: 09/843,486 filed April 25, 2001 (hereinafter referred to as "the present patent application").
- 2. I am a citizen of the United States and currently reside at the following address:

Stephen Boyd 663 San Juan Street Stanford, CA 94305

3. The error was made by naming Mar Hershenson, Arash Hassibi and Andre Hentz as joint inventors, rather than naming Mar Hershenson, Arash Hassibi, Andre Hentz and Stephen Boyd as joint inventors.

- 4. The inventorship error was made without any deceptive intent whatsoever by anyone, and including myself.
- 5. It is now requested that the additional inventor, Stephen Boyd, be added to the present patent application.

I declare that all statements made herein or my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated:_ 9 26 04	_ 5 P. H	įį.
	Stephen Boyd	

OCT 0 8 2004

DECLARATION AND POWER OF			Attorney Docket Num	Attorney Docket Number 4363P004 .				
ATTORNEY FOR PATENT APPLICATION		First Named Inventor	Mar Hershenson					
			COMPLETE IF KNOWN					
	(37 CFR 1.63)		Application Number	09/843,486				
Declaration Submitted	Submitted or Submitted after Initial Filing (surcharge	Filing Date	April 25, 2001					
with initial		Filing (surcharge (37 CFR 1.16(e))	Art Unit	2811				
Filing (37 CFR 1.16(e)) required)	Examiner Name	Quang D. Vu						

#### As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simulta	neous Design and Floorplanning of In	tegrated Circuit	
	(Title of the Invention)		<u> </u>
the specification of which  is attached hereto.			7) I
OR			* 1.
was filed on (if applicable)     or	le): as United States Application Number as PCT International Application Number	<u>09/843,486</u> er	
and was amended on	<u> </u>	(if applicable)	* 6 .* )

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior	Foreign	Applic	ation(s);
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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
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				☐Yes ☐ No
				☐ Yes ☐ No
i		i .		☐ Yes ☐ No
	·			☐ Yes ☐ No

#### Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: <u>08791</u> as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

#### Correspondence:

Direct all correspondence to Customer Number **08791**,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE	OR FIRST INVENTOR; H	Apetition has been filed for	this undersigned inventor
Full Name:		Mar Hershenson	
	(Fjest, Middle [if ap)	y]. Family Name (or Surname).	and Suffix [if any])
Inventor's Signatu		Date	9/24/04
	0	•	, ,
Residence Los	Altos, California USA	Citizenship	Spain
	(City , State, Country)	÷	(Country)
Mailing Address	430 Marich Way		
	Los Altos, California 94043 US	SA	
	·		

#### OCT 0 8 2004

ATTORNEY COR DATENT ADDITION		Attorney Docket Number 4363P004				
		First Named Inventor Mar Hershenson				
		COMPLETE IF KNOWN				
			•	Application Number	0:	9/843,486
Declaration Submitted OR with Initial Filing		$\boxtimes$	Declaration Submitted after Initial	Filing Date	Α	pril 25, 2001
		Filing (surcharge	Art Unit 2811	811		
		(37 CFR 1.16(e)) reguired)	Examiner Name	a	uang D. Vu	

#### As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simulta	neous Design and Floorpl	anning of Integrated Circuit	1 2 2
	, A .		
	(Title of the Invention	v	
the specification of which			
is attached hereto.			
OR			
was filed on (if applicable) or 04/25/2001	e): as United States Application as PCT International Applic		· ·
and was amended on		(if applicable)	*

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

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- FILLE	roieiuii	Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
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				☐Yes ☐No
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Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: 08791 as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

#### Correspondence:

Direct all correspondence to Customer Number 08791,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:		☐ A petition has been filed for this undersigned inventor			
Full Name:	Mar Hershenson				
	(First, Middl	le [if any], Family Name (or Surname), and Suffix (if any])			
Inventor's Signatur	re	Date			
Residence Lo	s Altos, California USA	Citizenship Spain			
	(City , State, Coun	ntry) (Country)			
Mailing Address	430 Marich Way				
	Los Altos, California 940	43 USA			

NAME OF SECON	D INVENTOR:	en filed for this undersi	gned inventor
Full Name:	, <b>A</b> r	ash Hassibi	
	(First, Middle [if-agy], Family	Name (or Surname), and Suf	fix [if anyl]
Inventor's Signature	and me	z Date <u>9/</u>	30/2009
Residence Moi	main View, California USA	Citizenship USA	Y 2000
	(City, State, Country)		(Country)
Mailing Address	2124 Rock Street, Apt. 43		
	Mountain View, California 94043 USA		
NAME OF THIRD I	NVENTOR:	en filed for this undersig	gned inventor
Full Name:		adre Hentz	
	(First, Middle [if any], Famtly	Name (or Surname), and Suf	fix [if any])
Inventor's Signature	9	Date	y y
- 1' 1		<del></del>	
Residence Mou	mtain View , California USA	Citizenship Braz	ail in the same of
	(City, State, Country)		(Country)
Mailing Address	357 View Street #2	•	
	Mountain View, California 94041 USA		•
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NAME OF FOURT	HINVENTOR:	en filed for this undersig	ned inventor
Full Name:		phen Boyd	* ×
	(First, Middle [if any], Family	Name (or Surname), and Suff	îx [if any])
Inventor's Signature		Date	400
Residence Stan	ford, California USA	Citizenship USA	
Treblacioe Bian	(City, State, Country)	Out.zonship <u>con</u>	(Country)
Mailing Address	663 San Juan Street		(002))
Maning / Address	Stanford, California 94035 USA		
	Stanfold, Camolina 94033 USA	· · · · · · · · · · · · · · · · · · ·	
NAME OF FIFTH II	4	en filed for this undersig	
	(first, Middle [if any], Family	Name (or Surname), and Suff	ix (if any])
Inventor's Signature		Date	
Residence		Citizenship	
	(City , State, Country)		(Country)
Mailing Address			
		****	
			×

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DECLARATION AND POWER OF	Attentity bocket transact 45051 001		
ATTORNEY FOR PATENT	First Named Inventor Mar Hershenson		
APPLICATION	(	OMPLETE IF KNOWN	
(37 CFR 1.63)	Application Number	09/843,486	
Declaration Submitted Submitted Submitted	Filing Date	April 25, 2001	
with Initial OR Filing (surcharge	Art Unit	2811	
Filing (37 ČFR 1.16(e)) required)	Examiner Name	Quang D. Vu	
pelieve the inventor(s) named below to be the original state of th	on the invention entitle	ed:	
hich is claimed and for which a patent is sought o	on the invention entitle	ed:	
hich is claimed and for which a patent is sought o  Optimal Simultaneous Design and	on the invention entitle	ed:	
thich is claimed and for which a patent is sought of Optimal Simultaneous Design and	on the invention entitle	ed:	
Optimal Simultaneous Design and  (Title of a specification of which	on the invention entitle	ed:	
(Title of the specification of which  ☐ is attached hereto.  OR  ☐ was filed on (if applicable):  04/25/2001 as United States A	on the invention entitle	ed: ntegrated Circuit	

including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT international filling date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also Identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):
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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
	· · · · · · · · · · · · · · · · · · ·		Ö	☐ Yes ☐ No
				☐ Yes ☐ No
		1		☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No

#### Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: <u>08791</u> as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

#### Correspondence:

Direct all correspondence to Customer Number 08791,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE	OR FIRST INVENTOR:	☐ A petition has been filed for t	his undersigned inventor
Full Name:	·	Mar Hershenson	
	(First, Middle [	(if any]. Family Name (or Surname), an	d Suffix [if any])
Inventor's Signatu	ıre	Date	
Residence Lo	s Altos, California USA	Citizenship	Spain
	(City , State, Count	'ry)	(Country)
Mailing Address	430 Marich Way		
-	Los Altos, California 9404	43 USA	
		<del></del>	

NAME OF SECO			
Full Name:		rash Hassibi	
	(First, Middle [if any]. Fami	ly Name (or Surname).	and Suffix (if any])
Inventor's Signatu	ure	Date	
Residence Mo	ountain View, California USA	Citlzenship	USA
	(City, State, Country)		(Country) .
Mailing Address	2124 Rock Street, Apt. 43		
	Mountain View, California 94043 USA	Α	
NAME OF THIRD		peen filed for this un	
nventor's Signatu	ire / May 17	Date <u></u>	09/24/2004
Danidana 31	Viore California 1104	. <b>^</b> \	D-4-21
Residence Mo	ountain View, California USA (City, State, Country)	Citizenship	
			(Country)
Mailian Addessa	267 Minner Channel 412		
Mailing Address	357 View Street #2		. A
Mailing Address	357 View Street #2 Mountain View, California 94041 US	Α	<u> </u>
Mailing Address		A	<u> </u>
NAME OF FOUR	Mountain View , California 94041 US  TH INVENTOR:   A petition has b	een filed for this un ephen Boyd	
NAME OF FOUR'	Mountain View , California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd y Name (or Surname), a	
NAME OF FOUR	Mountain View , California 94041 US  TH INVENTOR:	een filed for this un ephen Boyd	
NAME OF FOUR' Full Name:	Mountain View , California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd y Name (or Surname), a Date	nd Suffix [if any])
NAME OF FOUR' Full Name:	Mountain View , California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd y Name (or Surname), a	nd Suffix [if any]) USA
NAME OF FOUR Full Name: nventor's Signatu Residence Sta	Mountain View, California 94041 US  TH INVENTOR: A petition has be  So  (First. Middle [if any]. Familine  Inford, California USA  (City, State, Country)	een filed for this un tephen Boyd y Name (or Surname), a Date	nd Suffix [if any])
NAME OF FOUR' Full Name:	Mountain View, California 94041 US  TH INVENTOR: A petition has be  Si  (First, Middle [if any], Familiare  Inford, California USA  (City, State, Country)  663 San Juan Street	een filed for this un tephen Boyd y Name (or Surname), a Date	nd Suffix [if any]) USA
NAME OF FOUR Full Name: nventor's Signatu Residence Sta	Mountain View, California 94041 US  TH INVENTOR: A petition has be  So  (First. Middle [if any]. Familine  Inford, California USA  (City, State, Country)	een filed for this un tephen Boyd y Name (or Surname), a Date	nd Suffix [if any]) USA
NAME OF FOUR' Full Name:  nventor's Signatu Residence Sta Mailing Address  NAME OF FIFTH Full Name:	Mountain View, California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd y Name (or Surname), a Date Citizenship een filed for this und	USA (Country)  dersigned inventor
NAME OF FOUR  Full Name:  nventor's Signatu  Residence Sta  Mailing Address  NAME OF FIFTH  Full Name:  nventor's Signatu	Mountain View, California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd by Name (or Surname), a Date Citizenship een filed for this und by Name (or Surname), a Date	USA (Country)  dersigned inventor
NAME OF FOUR' Full Name:  nventor's Signatu Residence Sta Mailing Address  NAME OF FIFTH Full Name:	Mountain View , California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd y Name (or Surname), a Date Citizenship een filed for this und	USA (Country)  dersigned inventor
NAME OF FOUR  Full Name:  nventor's Signatu  Residence Sta  Mailing Address  NAME OF FIFTH  Full Name:  nventor's Signatu	Mountain View, California 94041 US  TH INVENTOR:	een filed for this un tephen Boyd by Name (or Surname), a Date Citizenship een filed for this und by Name (or Surname), a Date	USA (Country)  dersigned inventor

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OCT 0 8 2004

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Num	ber 4363P004	
		First Named Inventor	Mar Hershenson	
		COMPLETE IF KNOWN		
		Application Number	09/843,486	
Declaration		Declaration Submitted after Initial	Filing Date	April 25, 2001
with Initial Filling (surcharge	Filling (surcharge	Art Unit	2811	
Filing		(37 CFR 1.16(e)) required)	Examiner Name	Quana D. Vu

#### As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BST&Z

Optimal Simultaneous Design and Floorplanning of Integ	rated Circuit	
(Title of the Invention)		
the specification of which	* .	
☐ is attached hereto.		
OR		
was filed on (if applicable):  or 04/25/2001 as United States Application Number as PCT International Application Number	_09/843,486	<u> </u>
and was amended on (	if applicable)	1.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

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<u>Prior Foreign</u>	<u>Application</u>	S	Į.
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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
				☐ Yes ☐ No
	•			☐Yes ☐No
9			Ħ	☐ Yes ☐ No
				☐ Yes ☐ No
<u> </u>				☐ Yes ☐ No

#### Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: <u>08791</u> as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

#### Correspondence:

Direct all correspondence to Customer Number 08791,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE	OR FIRST INVENTOR:	A petition has been filed for t	this undersigned inventor
Full Name:		Mar Hershenson	
	(First, Middle [if	any], Family Name (or Surname), an	ıd Suffix [if any])
Inventor's Signat	ure	Date	
Residence Lo	os Altos, California USA		Spain
	(City , State, Country,	)	(Country)
Mailing Address	430 Marich Way		
	Los Altos, California 94043	USA	

ll Name:	· .	rash Hassibi	
ii Name.	(First, Middle [if any], Family Name (or Surname), and Suffix [if any])		
rentor's Signature			33 . 13 . 737
J			·
sidence Mou	ntain View, California USA	Citizenship	
	(City, State, Country)		(Country)
	2124 Rock Street, Apt. 43	- <u> </u>	
,	Mountain View, California 94043 US	<u> </u>	
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ME OF THIRD II	NVENTOR:	peen filed for this ur	dersigned inventor
Name:	(First, Middle [if any]. Fami	ndre Hentz	and Suffix (if anyl)
nterle Cianeture	(First, Minute fly mily), Famil	Date	ene sugjes (ij unyj)
entors signature		Date	
sidence Mour	ntain View, California USA	Citizenship	Brazil
	(City, State, Country)		(Country)
	(Cuy , Male, Country)		
ling Address	357 View Street #2		
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ME OF FOURTH	357 View Street #2  Mountain View , California 94041 US  I INVENTOR:	A been filed for this un tephen Boyd	dersigned inventor
ME OF FOURTH	357 View Street #2  Mountain View , California 94041 US  I INVENTOR:	A peen filed for this un tephen Boyd by Name (or Surname), a	dersigned inventor
ME OF FOURTH	357 View Street #2  Mountain View , California 94041 US  I INVENTOR:	A been filed for this un tephen Boyd	dersigned inventor
ME OF FOURTH I Name: entor's Signature	Mountain View , California 94041 US  I INVENTOR: A petition has be  (First, Middle [if any], Family  ord, California USA	A peen filed for this un tephen Boyd by Name (or Surname), a	nd Suffix (if any))  9 17 1   0 4
ME OF FOURTH I Name: entor's Signature sidence Stanfo	Mountain View , California 94041 US.  I INVENTOR: A petition has be so (First, Middle [if any], Family and, California USA (City , State, Country)	A been filed for this un tephen Boyd by Name (or Surname), a Date	nd Suffix (if any))
ME OF FOURTH Name: ntor's Signature idence Stanfo	Mountain View , California 94041 US.  I INVENTOR: A petition has be seen to b	A been filed for this un tephen Boyd by Name (or Surname), a Date	nd Suffix (if any))  9 17 1   0 4
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ME OF FOURTH Name:  Intor's Signature Idence Stanfo Ing Address 6	Mountain View , California 94041 US.  I INVENTOR: A petition has be seen to b	A been filed for this un tephen Boyd by Name (or Surname), a Date Citizenship	nd Suffix (if any)) 9 17 6 0 4 USA (Country)
ME OF FOURTH Name: entor's Signature idence Stanfo ling Address 6	Mountain View , California 94041 US.  I INVENTOR: A petition has be  So (First, Middle [if ony]. Family  ord, California USA (City , State, Country)  663 San Juan Street  Stanford, California 94035 USA  VENTOR: A petition has be	A  peen filed for this un  tephen Boyd  y Name (or Surname), a  Date  Citizenship  een filed for this un	dersigned inventor  Ind Suffix (if anyl)  9 12 1 0 4  USA  (Country)  dersigned inventor
ME OF FOURTH I Name: entor's Signature sidence Stanfo iling Address 6	Mountain View , California 94041 US.  I INVENTOR: A petition has been seed to be a petition h	A  peen filed for this un  tephen Boyd  y Name (or Surname), a  Date  Citizenship  een filed for this un	dersigned inventor  Ind Suffix (if anyl)  9 12 1 0 4  USA  (Country)  dersigned inventor
ME OF FOURTH I Name: entor's Signature sidence Stanfo iling Address 6	Mountain View , California 94041 US.  I INVENTOR: A petition has been seed to be a petition h	A  peen filed for this un  tephen Boyd  y Name (or Surname), a  Date  Citizenship  een filed for this un	dersigned inventor  Ind Suffix (if anyl)  9 12 1 0 4  USA  (Country)  dersigned inventor
ME OF FOURTH I Name: entor's Signature sidence Stanfo iling Address 6  ME OF FIFTH IN Name: entor's Signature	Mountain View , California 94041 US.  I INVENTOR: A petition has been seed to be a petition h	A  peen filed for this undephen Boyd by Name (or Surname), a  Citizenship  een filed for this undephen filed for this undephen filed  Date	dersigned inventor  Ind Suffix (if anyl)  9 12 1 0 4  USA  (Country)  dersigned inventor
ME OF FOURTH I Name: entor's Signature sidence Stanfo iling Address 6	Mountain View , California 94041 US.  I INVENTOR: A petition has been seed to be a petition h	A  peen filed for this un  tephen Boyd  y Name (or Surname), a  Date  Citizenship  een filed for this un	dersigned inventor  Ind Suffix (if anyl)  9 12 1 0 4  USA  (Country)  dersigned inventor

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OCT 0 8 2004

Docket No.: 004363.P004

Alexandria, VA 22313-I450

**Patent** 

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Examiner: Quang D. Vu
Mar Hershenson	)	Art Unit: 2811
Application No.: 09/843,486	)	
Filing Date: April 25, 2001	)	
For: Optimal Simultaneous Design and Floorplanning of Integrated Circuit	, 	*
Commissioner for Patents P.O. Box 1450		

ASSENT OF ASSIGNEE UNDER 37 C.F.R./3.73(B) FOR CORRECTION OF INVENTORSHIP

Dear Sir:

Attached please find a copy of the Recordation of Assignment document that is currently on file with the U.S. Patent and Trademark Office concerning the above noted application. The Assignment document is being submitted to provide evidence of chain of title for this application.

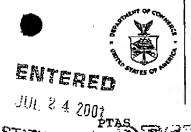
Assignee. Barcelona Design Inc., a Delaware corporation having a place of business at 997 East Arques Avenue, Sunnyvale, CA 94085, does hereby assent to the correction of inventorship, the petition for which is filed herewith, which seeks to add Stephen Boyd as an additional inventor in the above-referenced application. The undersigned, Ariel Sella, does declare, under penalty of perjury, that he is authorized by Barcelona Design, Inc. to make this Assent of Assignee for Correction of Inventorship.

Respectfully submitted,

Dated: 9 30 04

Ariel Sella

Chief Executive Officer



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

JULY 18, 2001

BLAKELY SOKOLOFF TAYLORUS BAFMAN EDWIN H. TAYLOR 12400 WILSHIRE BOULEVARD SEVENTH FLOOR LOS ANGELES, CA 90025-1026

BLAKELY, SOKOLOFF, TAVISE & ZAFMAN UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/25/2001

REEL/FRAME: 011754/0942

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HASSIBI, ARASH

DOC DATE: 04/23/2001

ASSIGNOR:

HENTZ, ANDRE

DOC DATE: 04/23/2001

ASSIGNOR:

HERSHENSON MAR

DOC DATE: 04/14/2001

ASSIGNEE:

BARCELONA DESIGN, INC. 704 TOWN AND COUNTRY VILLAGE A DELAWARE CORPORATION SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09843486

PATENT NUMBER:

FILING DATE: 04/25/2001

ISSUE DATE:

011754/0942 PAGE 2

DOROTHY BASMA, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

FORM PTO-1595 Recordation Form (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005) PATENTS	
To the Honorable Commissioner of Patents and Trademarks. Please	se record the attached original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Mar Hershenson; Arash Hassibi; Andre Hentz; Stephen Boyd	Name: Barcelona Design, Inc.
Additional name(s) of conveying party(ies) attached?  ☑ No ☐ Yes	Internal Address:  Street Address: 39677 Eureka Drive
3. Nature of Conveyance:  ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	City: Newark State: CA Zip: 94560
Execution Date: 9/26/2004	Additional name(s)& address(es) attached? 🖾 No 🔲 Yes
Application number(s) or patent number(s):     If this document is being filed together with a new application     A. Patent Application No.(s)	n, the execution date of the application is:  B. Patent No.(s)
09/843,486 Additional numbers att	ached? 🗷 No 🗆 Yes
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$_40.00
Internal Address:	☐ Authorized to be charged to deposit account
Street Address: 12400 Wilshire Boulevard 7th Floor	8. Deposit Account Number:
City: Los Angeles State: CA ZIP: 90025	02-2666 (Attach duplicate copy of this page if paying by deposit account)
DO NOT U	SE THIS SPACE
9. Statement and signature.  To the best of my knowledge and bellef, the foregoing is true at  The statement and signature.	nd correct and any attached copy is a true copy of the original document
ChuiKiu Teresa Wong, Reg. No. 48,042  Name of Person Signing	Signature 10/8/04 Date
Total number of pages including cover	sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office

P.O. Box 1450 Alexandria, VA 22313-1450

Attorney's Docket No.: 4363P004

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

#### Mar Hershenson; Arash Hassibi; Andre Hentz; Stephen Boyd

hereby sell, assign, and transfer to:

#### Barcelona Design, Inc.

a Corporation of Delaware, having a principal place of business at 39677 Eureka Drive, Newark, California 94560 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 25, 2001, and assigned Application No. 09/843,486 and is entitled:

#### Optimal Simultaneous Design and Floorplanning of Integrated Circuit

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

#### Each Inventor: Please Sign and Date Below:

Date	Name: Mar Hershenson
Date	Name: Arash Hassibi
Date 9/16/04	Name: Andre Hentz
Date	Name: Stephen Boyd
Date	Name:

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Boulevard, 7th Floor
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